

THE CHURCH'S OLD, NEW MUSIC

RESTORING THE GREGORIAN CHANT A LONG TASK.

Difficulties Arising From the Forgotten Systems of Notation—What the Plain Song of Gregory the Great Was—Work the Benedictine Monks Are Doing.

Rome, March 24.—There is a legend in an anonymous manuscript book of the eleventh century in the library of Montecassino Abbey which explains the origin of the reform in church music undertaken by Gregory the Great in the sixth century.

"The people in those days," it says, "sought mundane and profane games and pleasures. So Gregory thought that

is now engaged in studying the reform of church music. Its work is of the greatest importance. The melodies of the Church called Gregorian will be reestablished in their entirety and purity according to the most ancient codices, but at the same time particular account will be taken of legitimate traditions contained in various manuscripts and of the practical needs of the modern liturgy.

The work done by the Benedictine monks in the restoration of the genuine melodies of the Roman Church, and especially that done at the Monastery of Solesmes, is to be submitted to the examination and revision of the commission and incorporated in the official liturgical books published by the Vatican. The Pope recommends diligence and speed in the work of the commission, but several years will pass



PAGE FROM AN ILLUMINATED ANTI-PHONY IN THE SISTINE CHAPEL IN ROME, SHOWING THE FOURTEENTH CENTURY NOTATION.

of the liturgy the plain oratorical rhythm was used. Plain song, it has been said, is not music, as it has no measure; but the Gregorian rhythm is based on a keynote accent, and this accent is not merely the heavy prolongation of a note but a rapid elevation, an elastic impulse, "a brightness which strikes a single syllable but illuminates all the rest with its reflection."

The Church banished entirely the accompaniment of instruments from its melodies, and the music of guitars and flutes which had become effeminate and soft was abolished and so was that of the organ, and the voices of the faithful, "a living cithara" as

Ecclesiastical music, with its melodies simple and pure, yet warm and seductive, was eminently popular. Its rhythm was more free and more lyrical than that of the ancient music from which it originated, its melody more spiritual, and, above all, its mysticism deeper, more ardent and more imaginative.

It is not a matter for surprise, therefore, that the Gregorian plain song has served as the connecting link between ancient and modern musical art. It is not difficult to follow the development of Christian liturgical chant after the period of persecution, when the faithful left their underground

shouts in connection with the schola cantorum or choir.

The schola cantorum served as a seminary for the priesthood. The singers were boys who became first clerics, later received minor orders, and finally were ordained deacons. Now it happened that if they had good voices and knew the art of music well they continued singers even after their ordination and neglected the duties of their ministry, which consisted in preaching and supervising the distribution of alms, so that "their good voices might serve as a consolation to the faithful."

Gregory ordered that the deacons should not be employed in any singing except that of the gospel during mass, and that the lessons and psalms should be sung by the sub-deacons and minor clerics. The Pope is said besides to have reformed the text of liturgical singing and to have composed new melodies.

John the Deacon says that the Pope composed the antiphony of the singers, instituted the schola cantorum and divided it into two sections, one for the Lateran and the other for the Vatican basilica, and that at his time the authentic antiphony of the mass was still kept in the Lateran. The testimony of John the Deacon has been doubted. There are no manuscripts relating to Gregorian chant to be found earlier than the ninth century.

perhaps the last years of the eighth century, and the prevailing opinion is that the liturgical melodies were not written in early times, but simply learned by ear and transmitted by tradition.

Still, even admitting that St. Gregory did not compose the plain song melodies of the Church, it cannot be denied that he arranged them and thus contributed to their preservation until modern times.

Boethius, the earliest Western writer on music, who lived in the fifth century, knew of no contemporary means of writing it, hence it follows that the old notation, admitting that it had existed, had died out by this time. The earliest kind of notation in plain song melodies is the phonetic, which consisted in conventional signs, such as words, letters or numerals, employed to indicate the degree of the scale. This notation was used almost exclusively in Asia, Greece and the East generally, and only rarely in the West, except as a help to other kinds of notation.

Originally the plain song melodies were sung from memory and known or learned by tradition, but as music became more elaborate and the singers less careful the need of a regular notation was felt. Accents, that is, signs added to words to show how they should be spoken or sung, were accordingly introduced. Both in poetry and in prose accents were well known too, and used by the Greeks and Latins, and they served to show whether a syllable was short or long.

Undoubtedly they are the origin of plain song notation, as they served to show when the voice was to be raised (acute accent), when lowered (grave) and when there were two notes on one syllable, the first higher than the second, or vice versa (circumflex and anti-circumflex). The beat of the conductor of an orchestra is nothing more or less than the rule of the hand.

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He therefore proceeded to correct certain churches and instead of whispering their melodies sang them with full voices in the basilicas of the Lateran and the Vatican and on the Ostian Way.

In the fourteenth century Rome and Milan were the two centres of Western liturgical music. St. Ambrose had introduced from the East the sacred hymnody to Milan. The Ambrosian chant, which survives in Milan to this very day, is simpler than the Gregorian and is confined to only four modes out of the eight or fifteen chords of the ancient music. Some hold that its origin is entirely different from the Roman, while others think that the plain song of Milan and of Rome had a common source, but while the former retained its original simplicity the latter was altered at the time of the reform of Gregory the Great.

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the so-called chironomic rule, or a practical application of such accents to music. Gradually the accents were combined together and became known as neums.

The neums were of three kinds, composed of one, two or three members, as can be seen in the accompanying table. Their meaning was very simple, as they showed how many notes there were to each syllable and the manner of grouping them.

Still they did not show the relative rise and fall of the voice or the length of the sound, hence they were but simple helps to memory and of no value except to such as knew the melody beforehand. To interpret the meaning of neums recourse was had to the phonetic system, and thus books of music were provided with a syllabic or alphabetic notation.

Neums were a mystery until about fifty years ago, when the chance discovery of a bilingual manuscript, having an alphabetic notation besides the neums, afforded an explanation of their meaning.

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from the accents by retaining their activities and omitting the lines. The object of this notation was to show, not the direction of the tone, as in the accents, but its definite position.

The point notation is divided into two systems, the first known as detached point notation and the second as the joined point system. In the latter, which was adopted in northern and central Italy in the eleventh century, the various points or dots were joined together by lines, and at the end of each line a mark, called guidon, was used to denote the height of the first neum on the next line.

The joined point notation had a very short life, for in the early part of the eleventh century some clever man grasped the idea of running a line along so as to connect all the neums that were on one level. At first the line was almost invisible and drawn with a stylus as to serve only as a guide to the person who wrote the notation; later the line was reddened, and still later a second line at an interval of a fifth above



PIUX X. TAKEN AT THE TIME HE WROTE THE MOTU PROPRIO ON CHURCH MUSIC.

Troper written for Winchester about the year 1000 and now in the Bodleian Library shows besides the neums another method which was also adopted to interpret their meaning and which consisted in the addition of the so-called Roman letters to signify intonation, rhythm, or, to modify other letters. Thus A or L denoted elevation, I lowering, E unison, C fast, T slow, P force, and so on.

A great step in advance in plain song music was made with the introduction of diastemata, by means of which the visible height and rise and fall of the melody were represented by the relative position of the neums. This system was introduced about the end of the tenth century in England, but not until the fourteenth in Germany.

Another system was also used in the tenth century, consisting in point notation or punctuation, which was possibly derived

the first one or of a third below it was added, and a middle line, dry line, i. e., not marked in ink but done by the stylus, was drawn between the two. The neums were placed on these lines according to their different intonation and rhythm.

Finally another line was added, and thus the so-called Guidonian staff of four lines which is all that is needed for plain song music, was completed. Guido di Arezzo (1000-1050) is credited with the introduction of lines.

Although the lines were introduced and the exact position of each note represented, still the neums did not change either their shape or their meaning, and exactly the same neums continued to be employed. As the object was to represent not the direction of the sound but the position of the notes on the scale, each neum began and ended with a point to fit on the line or space, as can be seen in the diagram of neums marked No. 2.

But the introduction of lines led to fatal results. None of the marks of expression was retained, the original meaning was forgotten and misinterpretation arose. The introduction of measured and enharmonic music, which is founded on plain song, contributed still further to confuse the notation, and the result was that the ancient melodies, originally composed for the ancient words of the Church's office, were altered and modified, often lost or forgotten, and a restoration of the original chant became necessary.

This is now in way of attainment, and eventually it will be easy to sing the melodies of a thousand years ago exactly as they were written and sung.

ELEMENTARY ACCENTS		POINTS	AN-CENTURY	MODERN
1. TONAL	↑	•	•	•
2. GRAVE	↓	•	•	•
3. CIRCUMFLEX	↗	•	•	•
4. PES	↘	•	•	•
5. PESLEVIS	↗↘	•	•	•
6. CIRCUMFLEXUS	↗↘↗	•	•	•
7. CLIMACUS	↗↘↗↘↗	•	•	•
8. CLIMACUS	↗↘↗↘↗↘↗	•	•	•

DIAGRAM OF NEUMS.

	Cre	do	in	u	num	De	um	pa	tem
I. LETTERS	g	f	g	g	a	g	g	g	g
II. SYLLABLES	de	do	m	u	nu	de	u	nu	nu
III. THEORY ACCENTS	/	\	/	\	/	\	/	\	/
IV. NEUMS	•	•	•	•	•	•	•	•	•
V. DIASTEMATIC	/	\	/	\	/	\	/	\	/
VI. POINTS	•	•	•	•	•	•	•	•	•
VII. MODERN NOTATION	•	•	•	•	•	•	•	•	•

APPLICATION OF THE DIFFERENT SYSTEMS OF NOTATION TO THE FIRST SENTENCE OF THE NICENE CREED.

Cassiodorus calls them, supplanted all the ancient instruments.

It was the custom among the Romans and Greeks for the string and wind instruments to open and close every chant with a prelude and a postlude, and often in choruses or strophic hymns the instruments executed interludes or flourishes. The application of this practice originated the anthem in church music, which prepares the tone of the psalm and is repeated at the end, while in antiphonal singing it returns like a refrain in the course of the psalm.

In religious art the ancient diatonic scale, which had become mixed with the chromatic and enharmonic, was revived, and thus the artificial and intricate forms of Phrygian and Timothean were simplified and reduced to their original beauty.

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had to decide quite early in the game what I wanted most, good clothes and plenty to eat, or to play tag with fame on an empty stomach!

His prosperous, well fed appearance showed the course he had elected to pursue. He is one of the few men who made good use of the opportunity and left the trade before it had a chance to leave them. It was hard work for some years, and he nearly exhausted himself in trying to give readers of "Old Sleuth" literature brand new thrills every week. Instead of spending his money in riotous living like many of his coworkers, he kept saving until he had enough to go West and set up as a banker in a bustling community.

Of the men who wrote reams on reams of lurid Indian stories and impossible detective yarns for the firms which a couple of generations ago published dime novels in untold quantities not more than ten to-day are getting their living in the same way. Not only that, but just one man among them has stuck to this class of fiction to the present day, writing it continually without a break for over twenty-five years. The rest have followed something else at long or short intervals since beginning to write dime novels.

There are other dime novel writers contemporary with these men who are still alive, some prosperous and others not doing so well, but in occupations quite remote from the manufacture of yellow back literature. Besides the banker who voiced the literary creed of the whole tribe there comes to mind another man whose nimble pen and business acumen have provided well for his old age. He is a physician who on leaving college found that dime novel publishers were more prompt in paying for value received than the half dozen patients who had come to see him. A story written in a week or ten days brought him anywhere from \$50 to \$100. This, however, was not making money fast enough to suit him. As it did not take so much to start in the publishing business then as it does now, he used his first \$1,000 to venture in this field.

The enterprise succeeded, and then he began buying Chicago real estate. To-day his holdings are valued at \$100,000. Most of his time is spent abroad travelling and marking his itinerary with a stream of picture post cards mailed to a few old cronies chained to desks in New York.

Another man who left the ranks of blood and thunder authors some years ago has since then written a very acceptable history of the United States. Not only that, but not being ashamed of the hand that fed him in the first years of his literary struggles, he had reprinted last summer in \$1.50 form an Indian story that had made a hit twenty years before, to rescue it from the oblivion of paper covers.

Time has been less gracious to other surviving members of the old guard. One of them, for instance, is grubbing over geological records for New England families of suddenly acquired wealth and compiling horticultural information for a landscape gardener with the pen itch who wants to blossom out as an author.

This one time member of the famous Beadle staff is getting old now and his present work is not so remunerative, but even for this he is grateful, as it means bread and a place to sleep. He is cheerful and has only one complaint to make. This is directed against the small, badly lighted country libraries where he is frequently obliged to go. "My eyesight is getting poor, and it's my bad luck to find the documents I need stored away in the darkest corners," he says.

In some small town on the plains of Nebraska a man whose last labor in the literary field before being turned out to grass was the writing of a hundred odd numbers of a detective "library," as it is called, still selling in the ten thousands, now makes his living by managing a lullaby hall. Another dime novel scribe of the old days holds down a small but secure berth on a California daily paper, and by the grace of relationship gets from a publisher in New York an occasional order for a story, which he writes hurriedly in his spare time after a hard day's work at the office and which is used to fill in when any of the writers regularly employed by the firm fail to turn in their copy.

If some walking delegate should take it into his head that the world needed a dime novel union he would not have to go far to find the people he wanted to in-

terview. Only two men in the country edit dime novels to-day. They are employed by rival firms, the only two in business in the United States which supply small boys with knife and pistol fiction.

One of the men has written nearly 800 dime novels. He says that it would be hard for him to recognize his own work, except when he recalled an occasional homely phrase used at the time, should he happen to run across some of these stories printed twenty or thirty years ago. In the case of most men this output would be considered enough for one ordinary lifetime, but, inasmuch as it may seem, he has in addition to all this nearly sixty novels, averaging 80,000 words apiece, credited to his pen, to which a catalogue of the firm reprinting his works gives veritable affirmation.

With such a record for activity is it any wonder he seeks his present position as a refuge from pen and typewriter?

Of the younger men who, coming to the dime novel mill and grinding out their weekly stint of thirty or forty thousand words for a while have then departed, some have since applied their pens to more ambitious work and with success. Only yesterday one of them published a novel on the extravagance of New York society. Not two years ago a volume coming from him stirred up public sentiment against the meat packers of Chicago. While a young man he was a member of the dime novel firm for funds to pay his college expenses.

Enjoying the rural delights of a small Michigan town is another man who, forsaking the literature of a thousand thrills, furnishes monthly serials to a publisher who counts that day long when he forgets to start a new magazine.

On one of the morning papers is a star reporter who not long ago graduated from this form of hack work. Still another young man, possessing two talents instead of one, labored at this for a while, but when he got the chance to take charge of the art department connected with a large advertising agency he lost no time in the changing.

Cheap fiction proved a stepping stone in the case of another writer who went to a publisher with an idea for a new series of stories. He was told to go ahead, and for a while the small boy took kindly to his yarns. But the canny author did not intend to leave himself at the mercy of his fickle young readers, and in the meantime kept his eyes open for something more

stable. Before his stock of bright ideas had a chance to run out he secured a berth as managing editor of a magazine.

The most versatile of all dime novel authors is a man who turns his hand—or rather his feet—very far to family from several melodramas and vaudeville sketches are now on the road bringing him in money. He has qualified as an advertisement writer, and he has written a weekly "blood and thunder" and acting as the New York correspondent for a Pittsburgh paper. He did not stop here, for in his spare moments he composed topical songs for musical comedies and wrote for months the notices of a Broadway theatre, whose press agent, a friend of the busy author, was suffering from some nervous trouble and unable to write them himself.

Recently he said: "I have taken a whack at everything except philosophical treatises and six best sellers, and which is the important thing, sold my stuff. I'm no millionaire, but I've got far to family from several melodramas and vaudeville sketches are now on the road bringing him in money. He has qualified as an advertisement writer, and he has written a weekly "blood and thunder" and acting as the New York correspondent for a Pittsburgh paper. He did not stop here, for in his spare moments he composed topical songs for musical comedies and wrote for months the notices of a Broadway theatre, whose press agent, a friend of the busy author, was suffering from some nervous trouble and unable to write them himself.

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peculiar flavor that seemed very suspicious. I ate very sparingly of it.

"So it went all down the bill of fare. Articles of food that had been favorites from my youth caused the chemist to turn up his nose, because he had expert knowledge of a most derogatory kind about them. I was fast getting the impression that I only thought I was hungry, when I myself the ice cream and congratulated myself that here at last was something I could partake of heartily and be assured that I was safe.

"I had no more than started on the ice cream when the chemist said to me: 'You wouldn't eat that ice cream if you knew what was in it.' 'I didn't wait for any more. I suddenly remarked that I had a lot of work to do on my afternoon summing up of the water works case, and grabbing my hat I fled, making a silent resolve that while expert chemical and bacteriological knowledge was very good in its place I didn't care to have it served with my lunch.'

THE MAN WHO MAKES CORK LEGS
Helps Along His Business If He Happens to Wear One Himself.

"A manufacturer or dealer in artificial limbs who wears a cork arm or leg himself is much better equipped for business than his competitors who are sound," said a man who uses a cork leg. In fact, it has become a sort of unwritten law among us to patronize such men when possible. "Sentimental reasons may have something to do with the case, but I guess the chief reason is that we consider that if a man can make a limb for himself that fits like the paper on the wall he can make them for others."

"Manufacturers of artificial limbs know this, and frequently you will find an advertisement like this: 'The Soandso Artificial Leg is built by a man who is wearing one and who knows from experience what you want for comfort.'"

"This is a strong argument, for it's no easy thing to get an artificial limb that just fits. Persons who have trouble getting shoes that are just right are in great luck compared to us."

EXIT THE DIME NOVEL WRITER

THRILLS FOR SMALL BOYS DON'T PAY AS THEY ONCE DID.

Not a Dozen Left of the Old Guard Who Wrote Lurid Indian and Detective Stories—Free Libraries a Blow to the Trade—Authors Who Have Prospered.

The dime novel is passing, and with it the time novel writer. Not so long ago the men who supply the small boy with romance and adventure by the yard numbered several scores. To-day hardly twenty-five authors the majority living within an hour's ride of New York city—find employment in this once flourishing occupation.

In the heyday of Beadle's renown these sons of juvenile yarns lived a life quite apart from other pen craftsmen, and constituted a world of their own. The content of the elect had no terror for these literary Philistines, who paid no attention to what other people said so long as they were allowed to work peacefully in their own way.

An indifference toward lofty ideals and lack of regard for "artistic workmanship," so troublesome to their more pretentious writing brethren, enabled them to grind out with clockwork regularity 5,000 or 6,000 words a day with the satisfying knowledge that "Fins" written after the last chapter meant the prompt return of a check for a fat amount. They were the money kings of literature along in the '70s and '80s.

One of these oldtime dime novel writers, who made several thousand dollars by writing cheap fiction and has the money invested in gilt edged securities, was recently asked why he had not turned his attention to the magazines seriously, as some short stories published in his youth showed promise of better things.

"The answer is easy," was the reply. "I